Clinical Radiology

Journal of the Royal College of Radiologists

College

38 Portland Place
London W1N 3DG
Tel. 01-636 4432/3

Journal

36 Portland Place
London W1N 3DG
Tel. 01-631 1169

Officers and Council:

President
W. M. Ross

Vice-Presidents
J. O. M. C. Craig
D. Pearson

Warden of the Fellowship
E. Rhys Davies

Treasurer
T. Philp

Registrar
E. J. Roebuck

Members of Council
T. B. Brewin
J. K. Davidson
B. Eddleston
R. G. B. Evans
W. Hately
D. J. Mahy
D. J. Nolan
G. G. Ribeiro
J. Roylance
D. J. Stoker
T. K. Wheeler
F. W. Wright
Chairman, Standing Scottish Committee (in attendance)

Editorial Board:

Editor
I. H. Kerr

Deputy Editor
J. M. Henk

Assistant Editors
T. D. Hawkins
G. M. A. Hendry
W. G. Jones
I. W. McCall
M. C. Pearson
T. Powell
T. J. Priestman
G. J. G. Rees
G. M. Roberts
P. J. Robinson
J. G. B. Russell
K. Sikora

The President,
Warden,
Treasurer,
Registrar
(ex officio)

Managing Editor:
Lynn Whitfield

Royal College of Radiologists

Contents of Volume 36

Number 1

Page

Editorial ... 1
Computed Tomography in Acetabular Trauma ... *R. M. Blaquière* 5
The Role of Computed Tomography in the Assessment of Acetabular Fractures
P. Adam, J. L. Labbe, Y. Alberge, P. Austry, P. Delcroix and R. P. Ficat 13
Computed Tomography in Deep-seated Peripheral Neurofibromas ... *D. Sutton, M. A. Al-Kutoubi, R. D. D. DeSilva and D. Thomas* 19
Sclerotic Changes of the Sternal End of the Clavicle ... *A. G. Jurik, A. De Carvalho and H. Graudal* 23
Osteonecrosis and Fractures Following Renal Transplantation ... *J. K. Davidson, D. Tsakiris, J. D. Briggs and B. J. R. Junor* 27
Cost and Effectiveness of Methods of Radiation Protection in X-ray Diagnosis ... *J. G. B. Russell* 37
The Value of an Erect Abdominal Radiograph in the Diagnosis of Intestinal Obstruction
A. Simpson, D. Sandemann, S. J. Nixon, I. A. Goulbourne, D. C. Grieve and I. M. C. Macintyre 41
The Competitive Barium Meal ... *J. W. Young, T. P. Ginthner and B. Keramati* 43
The Duodenal Triangle: A Plain Film Sign of Midgut Malrotation and Volvulus in the Neonate
S. R. Potts, P. S. Thomas, W. I. H. Garstin and J. McGoldrick 47
Sclerosing-cholangitis-like Changes in Pancreatic Disease ... *F. Warwick, R. J. L. Anderson and J. M. Braganza* 51
Percutaneous Transhepatic Internal Drainage Using Polyurethane Double-pigtail Endoprostheses ... *N. Haq and P. Lai Chung Fong* 57
Serial Ultrasound in Amoebic Liver Abscess ... *A. E. Simjee, A. Patel, V. Gathiram, H. E. Engelbrecht, K. Singh and F. Rooknoodeen* 61
Ultrasound of the Breast in the Symptomatic and X-ray Dense Breast ... *P. B. Guyer and K. C. Dewbury* 69
Bladder Cancer: The Value of Routine Bone Scintigraphy ... *P. Davey, M. V. Merrick, W. Duncan and A. T. Redpath* 77
Urographic Findings in Adults with Chronic Pyelonephritis
J. P. Owen, J. M. Ramos, M. J. Keir, R. E. J. Lee, R. S. Arze, A. R. Morley, R. W. Elliott, R. Wilkinson, M. K. Ward and D. N. S. Kerr 81
Fluoroscopic Assessment of Bilharzial Ureteropathy ... *R. E. Abdel-Halim, S. Al-Mashad and A. Al-Dabbagh* 89
The Radiological Appearance of Artificial Urinary Sphincters ... *C. Davies, C. Evans, D. G. Richards and T. P. Stephenson* 95

Correspondence

Bowel Preparation and the Pill ... 100
How Dangerous are Diagnostic X-rays? ... 100

Book Reviews

Early Detection of Breast Cancer. Edited by *S. Brünner, B. Langfeldt and P. E. Anderson* ... 36
Radiation Protection of the Patient in Nuclear Medicine: A Manual of Good Practice. Edited by *W. A. Langmead* ... 36
Technological Basis of Radiation Therapy: Practical Clinical Applications. Edited by *S. H. Levitt and N. duV. Tapley* ... 50
X-ray Image Intensifier Fluorography Systems. *Hospital Physicists' Association* ... 50
Clinical Radiology of the Liver. Edited by *H. Herlinger, A. Lunderquist and S. Wallace* ... 50
Principles of Real-time Sonography in Modern Obstetrics: A Handbook for the Practising Physician. By *N. Perone* ... 60
Manual of Ultrasound. By *H. Lutz and R. Meudt* ... 60
Ultrasound in Inflammatory Disease. Edited by *A. E. A. Joseph and D. O. Cosgrove* ... 60
Practical Paediatric Radiology. Edited by *S. von W. Hilton, D. K. Edwards and J. W. Hilton* ... 80
Anatomical Interpretation of Computed Tomography. By *J. Barreau, J. Pringot, J. Y. Berben and P. Bodart* ... 80
Radiology of the Emergency Patient: An Atlas Approach. Edited by *E. I. Greenbaum* ... 88
The Radiology of Complications in Medical Practice. Edited by *E. E. Schwartz* ... 88
Obituaries ... 2, 3
Notices ... 4, 12, 26

Number 2

The Pulmonary Circulation: The Radiology of Adaption ... *R. G. Grainger* 103
Molecular Biology and the Treatment of Cancer ... *K. Sikora* 117
Total Lymphoid Irradiation as an Immunosuppressive Agent for Transplantation and the Treatment of 'Autoimmune' Disease: A Review
E. C. Halperin 125
Morbidity Following Low-dose-rate Selectron Therapy for Cervical Cancer ... *E. Sherrah-Davies* 131
The Radiological Features of Chronic Radiation Enteritis ... *R. M. Mendelson and D. J. Nolan* 141
Determination of Depth Distribution of Internal Mammary Lymph Nodes on Lateral Lymphoscintigraphy ... *T.-C. K. Yip and G. N. Ege* 149
Nasopalatine Duct Cyst ... *Y. Hertzanu, M. Cohen and D. B. Mendelsohn* 153
Spina Bifida Occulta: Lesion or Anomaly? ... *D. Boone, D. Parsons, S. M. Lachmann and T. Sherwood* 153
Periosteal New Bone in Patients on Intermittent Haemodialysis: An Early Indicator of Aluminium-induced Osteomalacia?
S. E. Chambers and R. J. Winney 163
Observations on the Natural History of Paget's Disease ... *M. V. Merrick and J. M. Merrick* 169
Limitations of Mammography in Chinese Females ... *T. T. Alagaratnam and J. Wong* 175
Serum C-reactive Protein Response to Therapeutic Embolisation: Possible Role in Management
C. R. K. Hind, A. M. K. Thomas, M. B. Pepys and D. J. Allison 179
The Barium Enema Appearances in Solitary Rectal Ulcer Syndrome
S. F. Millward, P. Bayjoo, M. F. Dixon, N. S. Williams and K. C. Simpkins 185
Pulmonary Digital Subtraction Angiography: A Screening Tool for Vascular Lung Lesions ... *J. V. Hunter and A. B. Ayers* 191
Biliary Tract Dilatation Without Jaundice Demonstrated by Ultrasound ... *F. J. Gilbert, J. F. Calder and A. P. Bayliss* 197
Cystic Fibrosis: Ultrasonographic Findings in the Pancreas and Hepatobiliary System Correlated With Clinical Data and Pathology
N. Graham, A. R. Manhire, R. J. Stead, W. R. Lees, M. E. Hodson and J. C. Batten 199
Major Complications of Central Venous Catheterisation: A Report of Five Cases and a Brief Review of the Literature
R. N. Gibson, O. F. Hennessy, N. Collier and A. P. Hemingway 205
Case Report: Treatment of Medulloblastoma Using a Computed-controlled Tracking Cobalt Unit
T. Tate, J. A. Brace, T. J. Davy, H. M. Morgan, D. B. L. Skeggs and A. J. Tookman 209
Prone Comparession With the Pneumatic Paddle During Barium Studies ... *A. M. McLean and C. I. Bartram* 213

CONTENTS

Correspondence — *Page*

Dilute Barium and Dilute Water-soluble Contrast in Opacification of the Bowel for Abdominal Computed Tomography 216

Book reviews

Orthopaedic Positioning in Diagnostic Radiology. By *A Bernau and T. H. Berquist* 184
Radiology of Orthopedic Procedures, Problems and Complications. By *M. I. Gelman* 184
Echocardiographic Diagnosis. By *I. A. D'Cruz* 184
Teaching Atlas of Mammography. By *L. Tabár and P. B. Dean* 190
Ultrasound in Breast and Endocrine Disease. Edited by *G. R. Leopold* 190
Colo-proctology. Edited by *J.-C. Givel and F. Saegesser* 190
Pathology of the Esophagus. By *H. Enterline and J. Thompson* 190
The Physical Principles of Computed Tomography. By *W. R. Hendee* 196
Computed Tomography of the Kidneys and Adrenals. Edited by *S. S. Siegelman, O. M. B. Gatewood and S. M. Goldman* 196
Basic Principles of Computed Tomography. By *C. L. Morgan* 196
Introduction to Diagnostic Imaging. By *I. Meschan and D. J. Ott* 204
Nuclear Imaging Exercises in Diagnostic Radiology, No. 6. Edited by *I. A. Powers and A. E. James* 204
Protection in Nuclear Medicine and Ultrasound Diagnostic Procedures in Children. *National Council on Radiation Protection and Measurements* 204
Biological Effects of Ultrasound: Mechanisms and Clinical Implications. *National Council on Radiation Protection and Measurements* ... 204
Obituary 101
Notices 140, 162, 178

Number 3

Communication: A Neglected Art in Clinical Medicine ..... *H. A. F. Dudley* 217
Assessment by Computed Tomography of the Response of Pituitary Macroadenomas to Bromocriptine *T. M. H. Chakera, M. S. Khangure and P. Pullen* 223
Computed Tomographic Appearances and Clinical Features of Prolactin-secreting Pituitary Adenomas in Young Male Patients *N. Daunt and P. Mowat* 227
Surface Enhancement of the Brain ..... *E. H. Burrows* 233
The Vestibular Aqueduct Syndrome: Computed Tomographic Appearance *J. D. Swartz, P. S. Yussen, D. W. Mandell, D. O. Mikaelian, A. S. Berger and R. J. Wolfson* 241
Enterogenous Cysts of the Central Nervous System: A Report of Eight Cases ..*S. V. Chavda, A. M. Davies and V. N. Cassar-Pullicino* 245
The Value of Skull Radiography in Children With Intracranial Tumours ..... *S. K. Wells* 253
Adreno-cortical Carcinoma in Infancy and Childhood: A Radiological Report of Ten Cases ....*G. S. Jones, K. J. Shah and J. R. Mann* 257
Congenital Oesophageal Stenosis ..... *R. Dominguez, M. Zarabi, K. S. Oh, T. M. Bender and B. R. Girdany* 263
Case Report: Segmental Dilatation of the Ileum Presenting With Anaemia ..... *D. J. W. Morewood and M. E. Cunningham* 267
Biliary Drainage by Ultrasound-guided Puncture of the Left Hepatic Duct ..... *J. S. Laméris, H. Obertop and J. Jeekel* 269
The Pathogensis of Post-irradiation Chronic Diarrhoea: Measurement of SeHCAT and B_{12} Absorption for Differential Diagnosis Determines Treatment ..... *S. M. Ludgate and M. V. Merrick* 275
Bone Scintigraphy in Breast Cancer: A Nine-year Follow-up ..... *I. H. Kunkler, M. V. Merrick and A. Rodger* 279
Problems Associated with Iridium-192 Wire Implants *S. J. Arnott, J. Law, D. Ash, A. Flynn, C. H. Paine, K. R. Durrant, C. D. Barber and A. Dixon-Brown* 283
The Current Practice of Lymphography: A Survey in the Age of Computed Tomography ..... *A. K. Dixon* 287
Examination of the Temporomandibular Joint by Direct Sagittal Computed Tomography *A. M. Raustia, J. Pyhtinen and K. K. Virtanen* 291
Stafne's Bone Cavity: A Review of the Literature and Report of Two Cases ..... *N. J. D. Smith, F. C. Looh, and E. J. Whaites* 297
Hydatid Disease of Bone ..... *Sun Hsü Rong and Zhang Qi Nie* 301
Compensatory Renal Hypertrophy After Donor Nephrectomy *J. S. Tapson, J. P. Owen, R. A. Robson, M. K. Ward, R. Wilkinson and D. N. S. Kerr* 307
Dehydration in Urography: It is Really Necessary? ..... *K. E. Bell and E. M. McIlrath* 311
Giant Urinary Bladder Calculi ..... *M. H. Dahniya and L. Gordon-Harris* 313
Comparison of Venous Digital Subtraction Angiography and Aortography in Patients With Peripheral Vascular Disease of the Lower Limbs ..... *J. R. Hall , P. M. Hacking and T. Layzell* 315
Peripheral Angioplasty: Emphasising the Need for Complete Visualisation in Lower Limb Angiography *A. E. Procter and D. C. Cumberland* 321
Pelvimetry by Digital Radiography ..... *Ph. Adam, Y. Alberge, S. Castellano, M. Kassab and B. Escude* 327
The Early Chest Radiographic Changes of *Pneumocystis* Pneumonia ..... *W. M. W. Gedroyc and J. F. Reidy* 331
Heart Size in High-kilovoltage Chest Radiography ..... *N. M. Perry, A. Y. Irfan, S. P. Simmons, J. M. Thomas and R. S. O. Rees* 335

Correspondence

Bowel Preparation and the Pill 340
The Erect Abdominal Radiograph in Intestinal Obstruction 340
Diagnosis and Reduction of an Intussusception Under Ultrasound Guidance: A New Technique 340

Book Reviews

Radiology of the Brain: CT, DSA, NMR. By *R. G. Ramsey* 256
Atlas of Obstetric and Gynecologic Ultrasound. By *D. A. Sarti* 256
Textbook of Gastroenterology. By *I. A. D. Bouchier, R. N. Allan, H. J. F. Hodgson and M. R. B. Keighley* 256
Roentgen Signs in Diagnostic Imaging. Vol. 1. Abdomen. By *I. Meschan* 256
Risk Factors and Multiple Cancer. Edited by *B. A. Stoll* 286
Computers in Radiotherapy and Oncology. Edited by *R. F. Mould* 286
Current Topics in Tumour Cell Physiology and Positron-emission Tomography. Edited by *W. H. Knapp and K. Vyska* 286
Radiation Therapy of Malignant Tumours. Edited by *H. P. Heilmann* 286
Orthopaedic Diagnosis. By *H. A. Sissons, R. O. Murray and H. B. S. Kemp* 300
Osteoporosis in Clinical Practice. By *M. Aitken* 300
Current Concepts of Diagnosis and Treatment of Bone and Soft Tissue Tumours. Edited by *H. K. Uhthoff* 300
Frontiers in European Radiology, Vol. 3. Edited by *A. L. Baert, E. Boijsen, W. A. Fuchs and F. H. W. Heuck* 306

Page

Frontiers in European Radiology, Vol. 4. Edited by *A. L. Baert, E. Boijsen, W. A. Fuchs and F. H. W. Heuck* 306
Basic Concepts of Digital Subtraction Angiography. By *R. A. Kruger and S. J. Riederer* 320
Coronary Artery Disease. By *M. Amiel, A. Maseri, H. Petitier and N. Vasile* 320
Angiography of Congenital Heart Disease. By *R. M. Freedom, J. A. G. Culham and C. A. F. Moes* 320
Digital Radiology: Physical and Clinical Aspects. Edited by *R. M. Harrison and I. Isherwood* 320
Notices 232, 240, 244, 252, 252

Number 4

Editorial 341
Low-dose Intra-arterial Streptokinase: Benefit Versus Risk ..... *W. J. Walker and A. E. B. Giddings* 345
The Radiological Appearances of the Oesophagus After Sclerotherapy for Varices ..... *J. D. Rose, G. M. Roberts and P. M. Smith* 355
Preliminary Experience with Iodine-125 Seeds in Newcastle upon Tyne ..... *P. J. D. K. Dawes and E. G. A. Aird* 359
Brain Metastases from Carcinoma of Breast: A Review of 90 Cases ..... *M. P. Snee, A. Rodger and G. R. Kerr* 365
An Analysis of the Contribution of Computed Tomography to the Treatment Outcome in Bladder Cancer
R. I. Rothwell, D. V. Ash and J. Thorogood 369
Racial Variations in Normal Ureteric Course ..... *E. J. Adam, S. C. Desai and G. Lawton* 373
Bladder Shape and Racial Origin ..... *S. C. Desai, C. S. ff. Eliot and G. Lawton* 377
Comparison of the Side-effects of Low-osmolar Contrast Media in Intravenous Urography
K. D. Foord, B. Kaye, J. Howard and D. C. Cumberland 379
Orbital Pneumosinus Dilatans ..... *G. A. S. Lloyd* 381
Squamous-cell Carcinoma Arising in Dental Cysts ..... *R. G. Pearcey* 387
Sialography Does Not Alter the Management of Parotid Space-occupying Lesions
A. Stacey-Clear, R. Evans, M. W. Kissin, A. E. Kark and R. Wilkins 389
A Comparison of Paralysing Agents in Double-contrast Barium Meal Examinations
C. W. Heron, A. H. Lynn, J. H. Marshall and R. R. Mason 391
Radiological Appearances Following Vertical Banded Gastroplasty ..... *A. Grundy, R. J. McFarland, J.-C. Gazet and T. R. E. Pilkington* 395
Acute Large-bowel Pseudo-obstruction ..... *A. M. Gilchrist, J. O. M. Mills and C. F. J. Russell* 401
Demonstration of Pancreatic Parenchyma by Digital Subtraction Techniques during Endoscopic Retrograde Cholangiopancreatography
M. I. Lavelle, N. P. Tait, T. Walsh, D. Alderson and C. O. Record 405
Carcinoma of the Small Intestine ..... *V. D. Papadopoulos and D. J. Nolan* 409
The Value of Radionuclide Venography in Superior Vena Caval Obstruction ..... *R. S. Coltart and E. P. Wraight* 415
Nuclear Magnetic Resonance Imaging in the Assessment of Unusual Abdominal Aortic Aneurysms
S. J. Barter, I. P. Hicks, G. G. Hartnell and A. W. L. Leung 419
Soft-tissue Changes Accompanying Recent Scaphoid Injuries ..... *R. A. Carver and N. A. Barrington* 423
Spondylarthrography: The Demonstration of Spondylolysis by Apophyseal Joint Arthrography
W. M. Park, I. W. McCall, D. Benson, P. V. Seal and J. P. O'Brien 427
Bronchogenic Cysts in Children ..... *C. DuMontier, E. R. Graviss, M. J. Silberstein and W. H. McAlister* 431
Case Report. Pulmonary Sequestration: The Value of Ultrasound ..... *C. R. Thind and D. W. Pilling* 437
Case Report: Adult Survival with Intrahepatic Portal Venous Gas Secondary to Acute Gastric Dilatation, With a Review of Portal Venous Gas ..... *M. D. Benson* 441

Correspondence

Radiological Appearances of Hydatid Disease of the Liver 444

Book Reviews

Ear, Nose and Throat. Self Assessment in Radiology. By *M. Hawthorne and R. Num* 394
The Management of Lung Cancer. Edited by *J. F. Smyth* 394
Clinics in Gastroenterology, Vol. 13, No. 1, Non-invasive Radiology. Edited by *J. W. Laws* 394
Advances in Dosimetry for Fast Neutrons and Heavy Charged Particles for Therapy Applications. *International Atomic Energy Agency* . 394
An Atlas of the Breast. By *J.-L. Lamarque* 408
Ultrasound Mammography. Edited by *P. Harper* 408
Breast Imaging. By *R. L. Egan* 408
Invasive Uroradiology. By *M. K. Elyaderani, S. J. Kandzari, W. R. Castenada and P. H. Lange* 408
A Handbook of Physics for Radiologists and Radiographers. By *D. Gifford* 414
An Introduction to Diagnostic Radiography. By *P. H. Carter* 414
Fundamentals of Special Radiographic Procedures. By *A. M. Snopek* 414
Essentials of Nuclear Medicine. By *M. V. Merrick* 426
Radionuclide Scintigraphy in Orthopaedics. Edited by *C. S. B. Galasko and D. A. Weber* 426
Atlas of Normal Roentgen Variants that may Simulate Disease. By *T. E. Keats* 426
A Textbook of Radiological Diagnosis, Vol. 2, The Cardiovascular System. Edited by *J. B. Partridge* 440
Percutaneous Transluminal Angioplasty. Edited by *C. T. Dotter, A. R. Grüntzig, W. Schoop and E. Zeitler* 440
Differential Diagnosis in Pediatric Radiology. By *L. E. Swischuk* 440
Correction 342
Obituary 343
Notices 342, 354, 368, 376

Number 5

Editorial 445
The Prognostic Significance of Mediastinal Bulk in Patients With Stage IA–IVB Hodgkin's Disease. A Report from the Manchester Lymphoma Group ..... *H. Anderson, J. P. R. Jenkins, D. J. Brigg, D. P. Deakin, M. K. Palmer, I. D. H. Todd and D. Crowther* 449
Extranodal Lymphoma of the Head and Neck: A Review of 49 Consecutive Cases ..... *M. McGurk, J. R. Goepel and B. W. Hancock* 455
Case Report: *Salmonella* Pneumonia Associated with Chemotherapy for Non-Hodgkin's Lymphoma
P. A. Canney, S. N. Larsson, J. H. Hay and M. A. Yussuf 459

CONTENTS

Page

Recognition of a Chronic Relapsing Form of Hodgkin's Disease in a Population of Patients Demonstrating No Second Tumours
S. J. Proctor and R. G. B. Evans 461

Primary Fibrosarcoma of the Scalp: A Review of a Ten-year Record from Lagos, Nigeria
S. O. Arigbabu, F. A. Durosinmi-Etti, J. O. Oyeneyin and N. A. Ojikutu 465

Seminoma of the Testis With Bone Involvement: A Report of Three Cases ..... *C. H. Collis and H. Eckert* 467

Internal Mammary Lymphoscintigraphy in the Conservative Management of Breast Carcinoma: An Update and Recommendations for a New TNM Staging ..... *G. N. Ege and R. M. Clark* 469

The Value of Ultrasonic Scanning of the Spleen in Lymphoma ..... *D. J. King, A. A. Dawson and A. P. Bayliss* 473

The Radiologist and the Courts ..... *O. Craig* 475

Casualty X-Ray Reporting: A Student Survey ..... *N. Robson, P. P. van Benthem, R. Gan and A. K. Dixon* 479

A Survey of Accident and Emergency Reporting: Results and Implications ..... *L. Berman, G. de Lacey and O. Craig* 483

Cerebral Torulosis: Clinical Features and Correlation With Computed Tomography ..... *N. Daunt and L. S. Jayasinghe* 485

Complete Non-traumatic Intravasation of Myelographic Contrast Media ..... *F. O'Keeffe and V. Moran* 491

Oesophageal Function Tests: Are They of Value? ..... *K. S. Channer and J. P. Virjee* 493

Gall-bladder and Colonic Opacification Following Parenteral Ioxaglate ..... *U. L. Udeshi* 497

Cholecystokinin Cholecystography: A Three Year Prospective Trial ..... *P. Byrne, G. J. S. Hunter and A. Vallon* 499

Preliminary Colon Cleansing for Small-bowel Examinations: Results and Implications of a Prospective Survey
C. J. Garvey, G. de Lacey and R. A. Wilkins 503

Bile Duct Calibre: The Discrepancy Between Ultrasonic and Retrograde Cholangiographic Measurement in the Post-cholecystectomy Patient ..... *H. J. O'Connor, R. J. Bartlett, I. Hamilton, W. R. Ellis, J. K. Watters, D. J. Lintott and A. T. R. Axon* 507

Ultrasonographic Studies in Hepatic Neoplasms: Patterns and Comparison With Radiological Contrast Studies
K. L. Wong, C. L. Lai, P. C. Wu, W. M. Hui, K. P. Wong and A. S. F. Lok 511

Five Years' Experience of Fine-needle Aspiration Biopsy: 454 Consecutive Cases ..... *W. R. Lees, M. A. Hall-Craggs and A. Manhire* 517

The Radiological and Urodynamic Significance of Large Bladder Diverticula ..... *B. Wilson and G. Klufio* 521

The Value of Post-void Radiographs in Excretory Urography ..... *W. L. Gerber and R. C. Brown* 525

Duplication of the Male Urethra: Report of Three Cases ..... *I. Hoekstra and B. Jones* 529

The Use of a Low-osmolality Contrast Medium in Hysterosalpingography: Comparison With a Conventional Contrast Medium
A. C. Davies, A. Keightley, A. Borthwick-Clarke and H. L. Walters 533

Case Report: Bladder Neurofibromas Causing Ureteric Obstruction in Von Recklinghausen's Disease ..... *P. T. Brooks and J. K. Scally* 537

Nuclear Magnetic Resonance in Adrenoleukodystrophy: Report of a Case ..... *G. R. Cherryman and F. W. Smith* 539

Book Reviews

NMR-Tomography of the Normal Brain. By *G. Gademann* 528

A Textbook of Radiological Diagnosis, Vol. 1, The Head and the Central Nervous System. Edited by *G. H. du Boulay* 528

Introductory Workbook for CT of the Head and Neck. By *W. Hanafee and A. Mancuso* 528

Introduction to Vascular Ultrasonography. Edited by *W. J. Zwiebel* 532

Abdominal Ultrasonography, 2nd edn. Edited by *B. B. Goldberg* 532

Coordinated Diagnostic Imaging. Edited by *J. F. Simeone* 532

The Lung: Radiologic–Pathologic Correlations, 2nd edn. By *E. R. Heitzman* 541

Radiological Investigations. By *H. Baddeley* 541

Computed Tomography of the Chest. Edited by *S. S. Siegelman* 541

Dose Reduction in Diagnostic Radiology. Edited by *S. E. Brennen and R. G. Putney* 541

Computers in Radiology. By *G. B. Greenfield and L. B. Hubbard* 542

Aids to Radiological Differential Diagnosis. By *S. Chapman and R. Nakielny* 542

X-Ray Intensifying Screens, Films, Processors and Automatic Exposure Control Systems. *Hospital Physicists' Association* 542

Nuclear Medicine Annual 1984. Edited by *L. M. Freeman and H. S. Weissmann* 542

Ultrasound Annual 1984. Edited by *R. C. Sanders and M. C. Hill* 543

Ultrasonic Differential Diagnosis of Tumours. Edited by *G. D. Kossoff and M. Fukuda* 543

Central Axis Depth Dose Data for Use in Radiotherapy. *British Institute of Radiology* 543

Gynecologic Cancer. Edited by *A. A. Forastière* 544

Intraocular Tumours. Edited by *P. K. Lommatzsch and F. C. Blodi* 544

Obituary 477

Notices 446, 482, 516

Number 6

Cancer Drug Targeting ..... *K. D. Bagshawe* 545

The Technology of Magnetic Resonance Imaging ..... *M. A. Smith* 553

Contrast Agents in Magnetic Resonance Imaging ..... *D. H. Carr and D. G. Gadian* 561

Percutaneous Vertebral Biopsy: A Review of 135 Cases ..... *D. J. Stoker and C. M. Kissin* 569

Kaolinosis: A Radiological Review ..... *I. P. Wells, R. C. V. Bhatt and M. Flanagan* 579

Radiographic Features in Patients With Pulmonary Manifestations of the Acquired Immune Deficiency Syndrome
C. W. Heron, A. L. Hine, A. L. Pozniak, C. R. Swinburn and N. McI. Johnson 583

Solitary Nodular Sarcoidosis ..... *R. M. Rose, R. G. L. Lee and P. Costello* 589

Computed Tomography of Axillary and Supraclavicular Adenopathy ..... *R. P. Goldberg and R. M. Austin* 593

Hepatic Arterial Embolisation in Patients With Metastatic Carcinoid Tumours ..... *A. Odurny and S. J. Birch* 597

Internal Biliary Drainage and Local Radiotherapy With Iridium-192 Wire in Treatment of Hilar Cholangiocarcinoma
J. Karani, M. Fletcher, D. Brinkley, J. L. Dawson, R. Williams and H. Nunnerly 603

Cisplatin-containing Chemotherapy in Advanced Head and Neck Cancer ..... *I. C. M. Paterson and P. H. Quilty* 607

Prognostic Factors in Malignant Melanoma: A Retrospective Analysis of 182 Patients ..... *M. S. Khan and W. M. Ross* 611

Results of a Randomised Study to Evaluate Influence of Dose on Morbidity in Radiotherapy for Bladder Cancer
P. M. Quilty, W. Duncan and G. R. Kerr 615

Early Uterine Body Carcinoma: Has Post-operative Vaginal Irradiation Any Value? ..... *W. H. Bond* 619

Carcinoma of the Cervix: The Staging Anomaly ..... *W. H. Bond* 625

A Retrospective Study of the Role of Radiotherapy in the Treatment of Soft-tissue Sarcoma ..... *J. A. Dewar and W. Duncan* 629

CONTENTS

		Page
Pneumocolon as an Aid to Small-bowel Studies	*E. J. Fitzerald, G. T. Thompson, S. S. Somers and S. F. Franic*	633
Vascular Complications of Osteochondroma	*R. Vallance, D. L. Hamblen and I. G. Kelly*	639
Skeletal Overgrowth With Modelling Error in Neurofibromatosis	*S. K. Gupta, S. M. Tuli, T. P. Srivastava, S. Khanna, T. V. L. Rao and R. P. Sahai*	643
Incidental Lumbo-sacral Myelographic Abnormalities Shown by Water-soluble Contrast Medium	*E. L. S. Lindsay*	647
Bronchospasm Following Intravenous Injection of Ionic and Non-ionic Low-osmolality Contrast Media	*A. J. Longstaff and J. H. L. Henson*	651
Case Report: Diagnosis and Hydrostatic Reduction of an Intussusception Under Ultrasound Guidance	*A. A. Bolia*	655

Correspondence

Classification of Dental Cysts	658
Cerebral Embolus as a Complication of Streptokinase Therapy	658

Book Reviews

Screening and Monitoring of Cancer. Edited by *B. A. Stoll*	624
Cobalt-60 Teletheraphy: A Compendium of International Practice. Compiled by *M. Cohen and J. S. Mitchell*	624
Management of Pituitary Disease. Edited by *P. E. Belchetz*	624
Pediatric Nuclear Medicine. By *S. T. Treves*	638
Pulmonary Nuclear Medicine. Edited by *H. L. Atkins*	638
NMR Data Handbook for Biomedical Applications. Edited by *P. T. Beall, S. R. Amtey and S. R. Kasturi*	638
Computed Tomography of the Head, Neck and Spine. Edited by *R. E. Latchaw*	646
Atlas of Obstetric, Gynecologic and Perinatal Ultrasound. Edited by *K. J. W. Taylor*	646
Cranial Computed Tomography. By *J. N. Sidhva, I. A. Talwar and V. D. Jain*	646
Radiological Diagnosis of Fractures. By *D. B. L. Finley and M. J. Allen*	650
Introduction to Radiology. By *M. D. Parker*	650
Gastrointestinal Radiology. By *D. W. Gelfand*	650
Clinical Biophysics. Edited by *M. Anbar, R. A. Spangler and P. Scott*	654
Biologically Closed Electric Circuits. By *B. E. W. Nordenstrom*	654
Obituary	552
Notices	560, 578, 614